Installation manual Diorite

Diorite is a small RFID reader without keypad. This card reader is designed to work with access control systems as well as machine oriented applications such as payment devices.

Cable Description

Described cable function applies, unless otherwise is indicated in the communication interface column.

Cable colour	Function	Com. RS232	Com. Wiegand	Com. Magstripe
Red	+7,5-12VDC			
Black	0VDC			
Grey	Digital out 1			
Blue	Digital out 2			
Green		TX (Transmit)	Data 0	Data
White		RX (Receive)	Data 1	Clock
Light blue	Card present	Not connected	Not connected	
Brown	Digital in 1			
Purple	Digital in 2			
Yellow	Prog. in	Not connected	Connect to white	Connect to light blue

Features

- For surface mounting.
- For indoor use.
- Clear visual indicator for valid/invalid card.
- Clear buzzer indicator for valid/invalid card.

Technical specification

- Power Requirements: 7,5-12VDC
- Supply Current: 75mA
- Frequency: 125 kHz
- Reading Distance: Up to 9 cm
- Interface: Wiegand 26bit/RS232
- Dimensions: 100x32x16mm
- Housing Material: Smoked colored plexi-glass/polycarbonatet
- Temperature Range: -10 - +60 C°
- Humidity: 90%
- Security Classification: IP 66
- Connection: Included 3m cable